

CLAIMS

1) Container (10) for liquid or semi-liquid food products such as drinks, milk or similar, characterised in that it consists of a hollow body provided with an upper closing element near the neck (12) and an open lower base (13) which is closed by a closing element (15) only after the filling phases, said filling phases being performed via said base (13) and with the container turned upside down.

2) Container (10) for liquid food products according to the preceding claim, characterised in that it is substantially in the form of a prism, a cylinder, a truncated cone, a truncated pyramid or similar, in which the side walls (11) are arranged slightly tapering towards the top, so that it can be stacked together with other containers via the open base.

3) Container (10) for liquid food products according to one of the preceding claims, characterised in that the upper part of the container, at the level of the inlet of the neck (12), is provided with a flat part comprising a pre-punched tab (16) protected by a removable cap (17).

4) Container (10) for liquid food products according to one of the preceding claims, characterised in that the element (15) for closing the base is applied and heat-sealed onto the base by means of specific equipment, once the container has been filled with a liquid food product.

5) Procedure for packaging liquid or semi-liquid food products into a container (10), characterised in that it includes a first phase in which the container is fed into a filling machine in an overturned position, i.e. with the top cap resting facing downwards on the conveyor belt and with its base still open.

6) Procedure for packaging liquid or semi-liquid food products into a container (10), characterised in that it includes a second phase in which the filling machine fills the overturned container by feeding in the liquid food products via the base, according to the established quantities.

7) Procedure for packaging liquid or semi-liquid food products into a container (10), characterised in that it includes a third phase in which the filling machine, automatically or via semi-automatic procedures, closes the base by means of heat-sealing and slight compression of the closing element (15), which is fixed by heat to the inside of the edges of the base.

8) Procedure for packaging liquid or semi-liquid food products into a container (10) according to claim 5, characterised in that said closing element is applied onto said base (13) by cold locking or slotting in.

9) Procedure for packaging liquid or semi-liquid food products into container (10) according to claim 5, characterised in that said closing element is applied by pressure in an appropriate seat obtained on the inner edge of said base (13).